

CLAIM STATUS:

Claims 1-8 (cancelled);

Claim 9(new). A stationary phase for high performance liquid chromatography analysis of small molecules using a mobile phase, said stationary phase comprising

a rigid supporting material having a surface;

an ion bearing functional group and a hydrophobic functional group chemically attached together;

said ion bearing functional group being chemically attached directly to the rigid supporting material and said hydrophobic functional group being indirectly connected relative to the rigid supporting material surface only via its connection to the ion bearing functional group;

said hydrophobic functional group being remotely spaced from the rigid supporting material surface and overlying the ion bearing functional group and forming a permeable stationary layer shielding said ion bearing functional group from full direct contact with the mobile phase; and

said hydrophobic functional group having a carbon chain at least eight carbon atoms long.

10. A stationary phase according to Claim 9, further comprising said hydrophobic functional group having a carbon chain twelve carbon atoms long.